

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): ~~An information~~ A watermark detecting apparatus comprising:
an extractor for extracting picture data of I picture including a watermark ~~specific~~
~~information~~ from a high-speed data stream of an MPEG format; and
a detector for detecting at low speed the ~~specific information~~ watermark in the picture in
~~the data extracted by said extractor,~~
wherein said extractor includes a buffer memory for storing data for more than 1 GOP
(Group of Pictures) in the high-speed data stream; and
a low-speed parser for analyzing and outputting the picture data including the watermark
from the data stored in said buffer memory.

2-4. (canceled).

5. (new): A watermark detecting apparatus comprising:
an extractor for extracting picture data of I picture including a watermark from a high-speed data stream of an MPEG format; and
a detector for detecting at low speed the watermark in the picture data extracted by said extractor,

wherein said extractor includes a high-speed parser for analyzing and detecting the picture data including the watermark in the high-speed data stream at a high speed; and
a buffer memory for storing the picture data including the watermark detected by said high-speed parser from the high-speed data stream.

6. (new): A watermark detecting apparatus, comprising:

an extracting circuit that extracts data including a watermark from a first data stream; and
a detecting circuit that detects the watermark from the extracted data.

7. (new): The watermark detecting apparatus of claim 6, wherein the first data stream is a high speed data stream and the detecting circuit detects the watermark to produce a second data stream having a speed lower than the speed of the high speed data stream.

8. (new): The watermark detecting apparatus of claim 7, wherein the high speed data stream comprises MPEG data.

9. (new): The watermark detecting apparatus of claim 6, wherein the detecting circuit inputs decoding data from a random number generator circuit and detects the watermark based on the decoding data.

10. (new): The watermark detecting apparatus of claim 6, wherein the data comprises MPEG data.

11. (new): The watermark detecting apparatus of claim 10, wherein the watermark is included in I picture data of the MPEG data.